

RURANSKI, S.

Report Session of the Collective for the History of Polish
Metallurgy and Forge Shop Engineering of the Polish Academy of
Sciences. Hutnik P 29 no.5:193-194 My '62.

RURANSKI, St.

Conference on industrial safety and hygiene in metallurgy.
Wiad hut 19 no.1:32 Ja '63.

RUPANSKI, S.

S. RUPANSKI, "Metallurgical nomenclature
No. 12, December 1955

HUTNIK

RURANSKI, S.

"National Conference on Repairing" p. 14 (Wiedomosci Hutnicze, Vol. 9, No. 1,
Jan., 1953, Stalinogrod)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,
February, 1954, Uncl.

~~BURANSKI~~ Stanislaw mgr inz.

Defrosting of loads in freight cars. Wiad hut 16 no.9:
268-273 S '60.

RURANSKI, Stanislaw, mgr ins.

Tenth anniversary of the Lenin Steel Works. Wiad hut 16
no.5:133-137 My 1960.

RURANSKI, Stanislaw, mgr inz.

Krzemionki Opatowskie a prehistoric industrial center.
Wiad hut 16 no.10:302-307 0 '60.

RURANSKI, Stanislaw

6th International Book Fair in Warsaw. Wiadom gosp 12
no.7/8:239-240 J1-Ag '61.

RURANSKI, Stanisław, mgr., inż.

Prehistoric iron smelting furnaces in the Swietokrzyskie
Mountains. Przegl techn 81 no.13:10-14 '60.

RURANSKI, Stanislaw, mgr inz.

Beginnings of metallurgy in Poland. Wiad hut 15 no.1:4-8
Ja '59.

RURANSKI, Stanislaw, mgr inz.

Two-thousand years of Polish metallurgy. Wiad hut 15 no. 7/8:238-248 J1-Ag '64.

Third Polish National Conference on Automation. Ibid.:252-253

RUPANSKI, St.

Defending the principle of native origin in technical terminology.
Hutnik 29 no.1:31-32 Ja '62.

RURANSKI, St.

Terminology: mass and weight. Hutnik P 30 no.6:198-201 Je '63.

RURANSKI, S., mgr., inz. (Katowice)

Polish technical language or scientific-technical Esperante?
Normalizacja 30 no. 3:9-10 March 62.

RURANSKI, St.

Scientific session in honor of Walenty Rozdzienski. Hutnik P 29 no.10:
397 0 '62.

RURANSKI, Stanislaw, mgr inz.

Mechanization of the unloading of loose material in metallurgical transportation. Wlad hut 17 no.12:370-373 D '62.

RURANSKI, S.

RURANSKI, S. A project of technical terminology. p. 461.

Vol. 22, No. 12, Dec. 1955

HUTNIK

TECHNOLOGY

Katowice, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

14100* Casting of Metals. Odlwanie metall. (Polish.)
Stanislaw Buranski. Wiadomosci Hutnicze, v. 11, nos. 7-8,
July-Aug. 1958, p. 241-248. MG
Sand, continuous, vacuum, precision, die, and other types of
casting. Photographs.

POLAND/Optics - Spectroscopy

K-7

Abs Jour : Ref Zhur - Fizika, No 2, 1959, No 4464

Author : Michalski J., Mierzecki R., Rurarz E.

Inst : -

Title : Raman Spectra of Tetraethyl Thiopyrophosphate, Triethyl Phosphate and Triethyl Thiophosphate

Orig Pub : Roczn. chem., 1956, 30, No 2, 651-653

Abstract : Raman spectra were plotted of tetraethyl thiopyrophosphate (I), triethyl phosphate (II), triethyl thionophosphate (III) and triethyl thiophosphate (IV) and the resultant spectra were compared. The Raman spectra of I exhibit substantial differences from the spectrum of IV, but in many features it is similar to the spectra of II and III. These facts suggest that the most probable structure of the tetra alkyl thiopyrophosphates (prepared by the action H_2S on dialkyl phosphor chlorides (V) in the presence of tertiary base or condensation of V with salts of dialkyl thio phosphoric acid) can be expressed by the following formula:

Card : 1/2

RUTHERFORD, E.

J. Michalski, R. Mierzecki, and E. Rurarz: "NMR Spectra of Tetraethylthiopyrophosphate, Triethyl Phosphate and Triethyl Thiophosphates, "Roczniki Chemii, Vol 30, No 2, Warsaw, 1956. Published from the Chair of Organic Chemistry, Lodz Polytechnic (initials J.M.) and from the Institute of Experimental Physics, Warsaw University (R.M. and E.R.), 28 Feb 56.

PROCESSING AND PROPERTIES INDEX

27

✓ The oil of the *Fraxinus excelsior* L. kernel. E. Ruzs and K. Bednár. *Casopis Českoslov. Lékařstva* 18, 107-13(1938).--The density of the kernel oil of the *Fraxinus excelsior* L. is 0.923 at 18°. Its other consts. are: acid no. 4.8, sapon. no. 107, ester no. 102.2, I no. 131.7, Hehner no. 94.5, Reichert-Meissl no. 1.04, Polenske no. 0.76 and it contains 8.87% of glycerol. The soap of the saponl. oil contains 71.25% of an acid mixt. of which 7% are satd. and 93% unsatd. acids. Satd. palmitic and stearic acids are present in almost the same amts. Unsatd. acids are: oleic, linolic and linolenic. V. D. K.

ASM A 1.1 METALLURGICAL LITERATURE CLASSIFICATION

100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

18(5)

SOV/112-59-2-3393

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2,
pp 166-167 (USSR)

AUTHOR: Vazetdinov, A. S., Marchenko, I. A., and Rurevich, V. P.

TITLE: Semiconductor Device for Monitoring the Drill Position in Horizontal
Drilling (Pribor na poluprovodnikakh dlya kontrolya za polozheniyem bura
pri gorizonta'l'nom burenii)

PERIODICAL: V sb.: Primeneniye poluprovodnikov v tekhn. provodn. svyazi.
M., Svyaz'izdat, 1957, pp 86-90

ABSTRACT: An instrument used to determine the drill position in drilling
horizontal holes is described. The instrument includes a 1,000-cps oscillator
that has a transformer-type feedback coupling and a high-gain amplifier tuned
to the same frequency. The oscillator with its antenna, represented by the
load-circuit coil, is imbedded in the drill; the coil axis is aligned with the drill
axis. A searching-type receiver including 3 tuned circuits and an amplifier is

Card 1/2

SOV/112-59-2-3393

Semiconductor Device for Monitoring the Drill Position in Horizontal Drilling

situated on the surface. The three coils of the three input-tuned circuits are so arranged that two of them have mutually perpendicular axes in the vertical plane (one horizontal axis and the other vertical), while the third-coil axis can be deflected from the vertical line at any angle between 0° and 90° . The drill position can be found by moving the searching instrument for minimum EMFs induced in the first two coils. After that, the third coil is turned for minimum signal. From its angle and the distance between the third coil and the intersection of axes of the first two coils, the drill depth can be determined. Three illustrations.

N.A.U.

Card 2/2

RURKIEWICZ, Zbigniew, mgr. inż.

Geodetic localization designing of underground and overhead
canal networks in cities. Przegl geod 35 no.2:73-80 F '63.

RURKIEWICZ, Zbigniew, mgr., inż.

Town underground works. Pt. 2. (To be contd.) Przegl geod 33 no.9:
335-340 '61.

RURKIEWICZ, Zygmunt, mgr inż.

Course in inventory surveying and survey designing of the
localization of underground and surface installations in the
streets and places of cities and suburbs. Przegl geod 35
no.8:357 Ag '63.

RURRIGL, Todor, Dr.

Local administration of hydrocortisone in rheumatic diseases.
Hig. vjes. 79 no.3-4:136-141 Mar-Apr 57.

1. In Centralna reumatološka stanica u Zagrebu.
(HYDROCORTISONE, ther. use
rheum. (Ser))
(NEURITIS, ther.
hydrocortisone, local admin. (Ser))

RURUA, G.B., kand. tekhn. nauk; SHATEBA, V.I., S.S., kand. tekhn. nauk

Bank-protecting cut-off walls with up-stream control. Transp.
stroil. 13 no.1:47-48 Ja '63 (MIRA 18:2)

RURUA, G. B.

"Water-separating equipment for irrigation systems in Georgia under conditions of turbulent flow." Min Water Economy Georgian SSR. Georgian Sci Res Inst of Hydraulic Engineering and Soil Improvement (GruzNII GIM). Tbilisi, 1956. (DISSERTATION For the Degree of Candidate in TECHNICAL SCIENCE.)

Knizhnaya letopis'
No 33, 1956, Moscow

RURUA, G.B.; ERISTAVI, D.K.

Electric model studies of a bottom current scheme for streams with
a free surface. Soob. AN Gruz. SSR 27 no.1:17-24 J1 '61. (MIRA 16:8)

L. Gruzinskiy nauchno-issledovatel'skiy institut gidrotekhniki
i melioratsii, Tbilisi. Predstavleno akademikom AN GruzSSR
K.S.Zavriyevym.

(Hydraulics—Electromechanical analogies)

LOLASHVILI, O.I.;RURUA, G.B.

Electric modeling of an isostatic network during pure compression or tension from external forces. Soob. AN Gruz.SSR
30 no.5:611-616 My '63. (MIRA 16:11)

1. Gruzinskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii, Tbilisi. Predstavleno akademikom K.S.Zavriyevym.

RURUA, G.B.

Determination of the discharge coefficient in bottom rack calculations. Trudy GruzNIIGiM no.20:210-216 '58. (MIRA 15:5)
(Hydraulic structures)

RURUA, G.B., kand.tekhn.nauk. (Tbilisi)

Protection of lands along river banks from washout by
grading the river banks to a stable slope. Gidr. i mal.
14 no.10:38-42 0 '62. (MIRA 15:11)
(Shore protection)
(Rivers)

RURUA, G.V., kand.tekhn.nauk.; SICHINAVA, O.A., inzh.

Structures for the regulation of mountain rivers. Avt.dor. 25
no.9:17-18 S '62. (MIRA 15:9)
(Rivers--Regulations)

RURUA, V. Ye.

KUDINOV, I.M.; RURUA, V.Ye.

Gastric phlegmon terminating recovery. Vest.khir.76 no.8:127 S'55
(MLRA 8:11)

1. Iz khirurgicheskogo otdeleniya Velikolukskoy oblastnoy bol'nitsy.
(STOMACH--INFLAMMATION)

RURUA, V.Ye.

Late results of excision of the spleen and the left kidney in a five-year-old child. Pediatriia no.3:80 My-Je '55.(MLRA 8:10)

1. Iz khirurgicheskogo oddeleniya Velikolukskoy oblastnoy bol'nitsy

(SPLEEN, wounds and injuries

laceration, excision in 5 year old boy, results)

(KIDNEY, wounds and inj.

surg. unilateral excis. in 5 year old boy, results)

RURUA, V. Ye.
RURUA, V. Ye. (Velikiye Luki, ul. Karla Libknekhta, d.3, kv.6)

Lymphosarcoma of the large intestine [with summary in English]. Vop.
onk. 3 no.6:745-747 '57. (MIRA 11:2)

1. Iz khirurgicheskogo otdeleniya (zav. - V. Ye. Rurua) Velikolukskoy
oblastnoy bol'nitsy.

(COLON, neoplasma
lymphosarcoma, surg.)
(LYMPHOSARCOMA, surg.
colon)

МУРОВА, В.Ye. (Velikiye Luki, ul. Karla Libknekhta, d.e, kv. 6)

Surgical treatment of goiter; according to data from the Veliki
Luki Province Hospital [with summary in English, p.153-154] Vest.
khir. 77 no.12:92-95 D '56. (MLRA 10:2)

1. Iz khirurgicheskogo otdeleniya (zav. otd. - V.Ye. Murua)
Velikolukskoy oblastnoy bol'nitsy.

(GOITER, surg.
statist.)

RURUA, V.Ye.

Immediate results of surgical treatment of gastric and duodenal ulcer; according to the data from the Velikiye Luki Province Hospital. (MLRA 10:6)

1. Iz khirurgicheskogo otdeleniya (zav. V.Ye.Rurua) Velikolukskoy oblastnoy bol'nitsy.

(PEPTIC ULCER, surg.

gastrectomy, follow-up)

(GASTRECTOMY, in various dis.

peptic ulcer, follow-up)

RURUA, V.Ye., ZAKREVSKIY, L.K.

Late results of extensive resection of large and small intestines after gastrectomy. Vest.khir. 75 no.4:130-131 My '55. (MIRA 8:8)

1. Iz khirurgicheskogo otdeleniya (zav.-V.Ye.Rurua) Velikolukskoy oblastnoy bol'ni.sy. Velikiye Luki, ul. Karla Marksa, Dom spetsialistov, kv. 6.

(INTESTINAL OBSTRUCTION, surgery,
extensive resection of intestines, large & small, four
years after gastrectomy)

(INTESTINE, SMALL, surgery,
extensive resection in intestinal obstruct., after
previous gastrectomy)

(INTESTINE, LARGE, surgery,
extensive resection in intestinal obstruct., after
previous gastrectomy)

RUKUA, V.Ye.

Intestinal obturation caused by the clogging of the transverse
colon by stones. Khirurgia no.4:82-83 Ap '55. (MLRA 8:9)

1. Khirurgicheskoye otdeleniye Velikolukavoy oblastnoy bol'nitsy
(INTESTINES--OBSTRUCTION)

RURUA, V.Ye., zaveduyushchiy.

Combined injury of the heart and lungs. Khirurgiia no.6:76-77 Je '53.
(MLBA 6:8)

1. Khirurgicheskoye otdeleniye Velikolukskoy oblastnoy bol'nitsy.
(Heart--Wounds and injuries) (Lungs--Wounds and injuries)

RURUA, V.Ye.

Obstruction of the transverse colon caused by calculi. Vest.
khir. 74 no.1:67-68 Ja-F '54. (MLRA 7:2)

1. Iz khirurgicheskogo otdeleniya (zaveduyushchiy - V.Ye.Rurua)
Velikolukskoy oblastnoy bol'nitsy.
(Colon (Anatomy)--Diseases) (Calculi) (Intestines--Obstructions)

NENASHEV, V.; BALK. N.M., kand. tekhn. nauk, red.; KHARITONOV,
N.F., dots , red.; PRIGOZHIN, F.G., inzh., red.;
RUBULOV, N.A., tokar'-novator, red.; SOKOLOV, A.I.,
novator, slesar'-instrumental'shchik, red.; YARTSEV, N.,
red.

[Innovators suggest] Novatory sovetuiut. Moskva, Mosk.
rabochii, 1964. 150 p. (MIRA 17:8)

USSR/General Problems of Pathology. Comparative Oncology. Tumors
in Humans

U-7

Libs Jour : Ref Zhur - Biol., No 13, 1958, No 61270

Author : Rurus V.Ye.

Inst : -

Title : The Problem of a Lymphosarcoma of the Colon

Orig Pub : Vopr. Onkologii, 1957, 3, No 6, 745-747

Abstract : Describes 2 cases of lymphosarcoma of the colon in a boy 18 years old, and a woman 63 years of age. In the male patient, the tumor localized in the region of the ileocecal angle, in the woman in the region of the descending section of the colon. In both cases manifestations of obstruction were present. A resection of the affected part of the colon was made. After the operation the patients were discharged in good condition and referred to a course of X-Ray Therapy.

Card : 1/1

VACARCIUS, T., ing.; NOVAC, M., tehn.; RUS, I., lab.

Reducing the water absorption of hardboards. Ind lemnului 16 no.1:
14-16 Ja '65.

1. Station of the Forest Research Institute, Blaj.

RUS, I.A.

Some theorems of the Sturm type. Studia Univ B-B S. Math-Phys
7 no.2:33-36 '62.

RHS. Ivan A.

Properties of zeros of solutions of the nonlinear equations
of the second order. Studia Univ B-B S. Math-Phys 10 no.1:47-50
'65.

VACARGIUC, T., ing.; NOVAC, M., RUS, J.

Improving the quality of beech hardboards. Ind lemnului 15 no.
6/7:210-215 Je-JI '64.

RUS, Ladislav

Damping the noise of jet engines. Letecky obzor 7 no.9:
261 S'63.

RUS, Ladislav

Introduction of new techniques in factories. Letecky obzor
6 no.8:250-251 '62.

RUS, Ladislav

One thousand motors in the air. Letecky obzor 6 no.9:282-283
'62.

RUS, Ladislav

New flight records. Letecky obzor 5 no.11:347 '61.

RUS, Ladislav

Neighbor of a beast of prey. Letecky obzor 6 no.2:48-49 '62.

RUS, Ladislav

From small sources big river may come. Letecky obzor 6 no.10:
336-337 '62.

RUS, Ladislav

The way into the world. Letecky obzor 7 no.4:112-113 '63.

RUS, Stanislava

RUS, Stanislava

Herpes zoster generalisatus sue varicellosus. Zdrav. vest. 23
no.5-6:102-106 1954.

1. Infekcijska klinika Medicinske Visoke Šole v Ljubljani -
predstojnik doc. dr. Milko Redjanic.

(HERPES ZOSTER

*generalized, varicelliform, with lymphatic leukemia)
(LEUKEMIA, LYMPHATIC, compl.

*herpes zoster, generalized, varicelliform)

SULC, D.; CIRIC, D.; RUS, T.

Influence of vitamin C on the preservation of natural color
of apple juice and concentrate. Kem ind 13 no.12, 937-1901
D '64.

1. Faculty of Technology, Novi Sad.

RUS, T.

On a formal system. Pt. 2. Studii cerc mat 15 no. 5:595-
615 '64.

MUNTEANU, E.; RUS, T.

Automatic correction of the surpassing of the unit in a machine with fixed comma. Comunicarile AR 11 no.12:1455-1457 D '61.

1. Comunicare prezentata de T. Popovici, membru corespondent al Academiei R.P.R.

BUS, T.

Algorithms of machining of formal expressions with the aid of digital calculating machines. Studi cerc mat 16 no.9:1129-1139 '64.

Matrix representation of trees. Ibid.: 1179-1185 '64.

RUS, T.

On a formal system. Pt. 1. Studi cerc mat 15 no. 4:459-470
'64.

BLUM, A; TACH, A; RUS, V.

1. Ore Minings (Kudno doly), Pribram (for Blum and Tach); 2.
Geological Institute (Geologicky pruzkum), Pribram (for Rus)

Prague, Geologia pro mineralogii a geologii, No 1, 1964, p/ 73.

"The Occurrence of Selenium Minerals in the Southwestern Part of
the Sedlany-Krasna Hora Metamorphic 'Inland'."

BLUML, Antonin; TACL, Alexandr; RUS, Vratislav

Occurrence of selenium minerals in the southwest section of the
Sedlcany-Krasna Hora metamorphosed island. Cas min geol 9 no. 1:
73 '64.

1. Rudne doly, n.p., Pribram (for Bluml and Tacl). 2. Geologicky
pruzkum, n.p., Pribram (for Rus).

S/137/62/000/001/130/237
A052/A101

AUTHORS: Pol', D., Rus, Ye.

TITLE: The effect of free and bound Mg on the spheroidal graphite formation in pig iron

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 26, abstract 11174 (V sb. "26-y Mezhdunar. kongress liteyshchikov", Moscow, Mashgiz, 1961, 183-199)

TEXT: The cause of the spheroidal graphite formation as a result of the addition of Mg and Ge to pig iron is not clear as yet. The crystallization process was specified, the changes caused by Mg addition to the pig iron smelt were investigated. Mg has a close affinity to metalloids O₂, N₂, S, P., Its affinity to Fe and C is very small, therefore free and bound Mg must be considered separately. The separating heterogeneous Mg compounds, suspended in the smelt, belong also to bound Mg. To determine free Mg by evaporation it was possible to create certain test conditions. The result of such a test should be considered of a great practical importance, since it shows the interconnection between free Mg, its surface tension and microstructure. For the spheroidal graphite forma-

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The effect of free and bound Mg ...

S/137/62/000/001/130/237
A052/A101

tion a certain quantity of Mg (free) is necessary. Mg not only eliminates the action of inhibitors but affects also the crystallization of graphite. At the evaporation point of Mg, immediately over its melting point, the balls of graphite situated near the surface of the bath move unimpaired upward, and at higher temperatures they burst. As a result of the investigation of the effect of some inhibitors, it is established that at higher concentrations Mg and P inhibit the process of spheroidal graphite formation. For the spheroidal graphite formation a high surface tension of the molten iron is necessary. This condition is necessary but not sufficient, since the direct effect of Mg on the graphite formation must be taken into account as well.

L. Savel'yeva

[Abstracter's note: Complete translation]

Card 2/2

RUSA, A.

Problems of the profitability and the normalization of industrial enterprises. Vestis Latv ak no.9:13-22 '59. (EEAI 9:10)

(Latvia--Industrial management)

RUSACH, K. M.

RUSACH, K. M. -- "Biological Aspects of Wart-Resistant Types of Potatoes in Connection with the Square-Nest Method of Planting." Min Higher Education USSR. Leningrad Agricultural Inst. Leningrad, 1955.
(Dissertation for the Degree of Candidate in Agricultural Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

5(2), 5(4)

AUTHORS:

Rusadze, A. V., Shpunt, S. Ya.

SOV/78-4-1-33/48

TITLE:

Physico-Chemical Analysis of Phosphates Treated With Nitric Acid; the Quaternary System $\text{CaO-N}_2\text{O}_5\text{-H}_2\text{SiF}_6\text{-H}_2\text{O}$ at 60°
(Fiziko-khimicheskiy analiz v oblasti azotnokislotoy pererabotki fosfatov; chetvernaya sistema $\text{CaO-N}_2\text{O}_5\text{-H}_2\text{SiF}_6\text{-H}_2\text{O}$ pri 60°)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 1, pp 182-193 (USSR)

ABSTRACT:

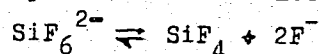
The present paper describes detailed physico-chemical investigations and solubility examinations of fluorine compounds after treatment of phosphate (apatite) with nitric acid. The quaternary system $\text{CaO-N}_2\text{O}_5\text{-H}_2\text{SiF}_6\text{-H}_2\text{O}$ and the ternary systems $\text{CaSiF}_6\text{-N}_2\text{O}_5\text{-H}_2\text{O}$ and $\text{Ca(NO}_3)_2\text{-N}_2\text{O}_5\text{-H}_2\text{O}$ were studied by investigating the isotherms at 60° . In the $\text{CaSiF}_6\text{-N}_2\text{O}_5\text{-H}_2\text{O}$ system the following phases appear: $\text{CaSiF}_6 \cdot 4\text{H}_2\text{O}$ + CaF_2 and $\text{CaSiF}_6 \cdot 2\text{H}_2\text{O}$. Calcium silicofluoride is a stable phase only in the presence

Card 1/3

SOV/78-4-1-33/48

Physico-Chemical Analysis of Phosphates Treated With Nitric Acid; the Quaternary System $\text{CaO-N}_2\text{O}_5\text{-H}_2\text{SiF}_6\text{-H}_2\text{O}$ at 60°

of a free acid. In the ternary system $\text{Ca(NO}_3)_2\text{-N}_2\text{O}_5\text{-H}_2\text{O}$ the solubility of calcium nitrate decreases with an increase of nitric acid concentration. The isotherm of the quaternary system $\text{CaO-N}_2\text{O}_5\text{-H}_2\text{SiF}_6\text{-H}_2\text{O}$ is characterized by the following crystallization zones: $\text{Ca(NO}_3)_2$, $\text{CaSiF}_6 \cdot 4\text{H}_2\text{O} + (\text{CaF}_2)$, $\text{CaSiF}_6 \cdot 2\text{H}_2\text{O} + (\text{CaF}_2)$. The presence of CaF_2 and $\text{CaSiF}_6 \cdot 2\text{H}_2\text{O}$ in the solid phase was confirmed by chemical and radiographic analyses. In the presence of $\text{Ca(NO}_3)_2$ decomposition of the ion SiF_6^{2-} takes place in nitric acid solutions:



With an increase of $\text{Ca(NO}_3)_2$ concentration the amount of calcium fluoride precipitated increases. Calcium silicofluoride does not influence the solubility of calcium nitrate considerably. On the other hand, the solubility of calcium silicofluoride is considerably reduced by calcium nitrate. Calcium nitrate and nitric acid cause the salting out of calcium

Card 2/3

SOV/78-4-1-33/48

Physico-Chemical Analysis of Phosphates Treated With Nitric Acid; the
Quaternary System $\text{CaO-N}_2\text{O}_5\text{-H}_2\text{SiF}_6\text{-H}_2\text{O}$ at 60°

silicofluoride. There are 5 figures, 4 tables, and 11 references; 6 of which are Soviet.

SUBMITTED: May 4, 1958

Card 3/3

RUSADZE, A.V.; SHPUNT, S.Ya.

60° Isotherm for the system $\text{CaO} - \text{N}_2\text{O}_5 - \text{P}_2\text{O}_5 - \text{H}_2\text{SiF}_6 - \text{H}_2\text{O}$.
Zhur. neorg. khim. 5 no.11:2539-2552, 1960. (MIRA 13:11)
(Lime) (Nitrogen oxide)
(Phosphorus oxide) (Fluosilicic acid)

RUSADZE, A.V.; SHPUNT, S.Ya.

Physicochemical analysis of the nitric acid processing of phosphates;
quaternary system $\text{CaO} - \text{H}_2\text{O}_5 - \text{H}_2\text{SiF}_6 - \text{H}_2\text{O}$ at 60°C . Zhur.neorg.khim.
4 no.1:182-193 Ja '59. (MIRA 12:2)
(Calcium oxides) (Nitrogen oxides) (Fluosilicic acid)

RUSADZE, K.G.

Consolidated brigades conduct the track maintenance and repair work.
Put' put.khoz. 8 no.2:13-14 '64. (MIRA 17:3)

1. Nachal'nik Dushanbinskoy distantssi Sredneaziatskoy dorogi.

AVATYANI, I.V.; ZIVANTSA, G.A.; ROSADFF, U.S.; KHETSUBIANI, D.S.

Treatment and late results of suppurative diseases in newborn
infants. Socb. AM Graz. SSR 38 no.2:491-496 My '65.

(NERA 18:9)

I. I-ra gorodskaya detskaya ob'yedinennaya bol'nitsa, Tbilisi.
Submitted December 23, 1964.

RUSADZE, U.S.

Some problems of the closed acute cranial trauma in childhood.
Soob. AN Gruz. SSR 36 no.1:225-232 0:164.

(MIRA 18:3)

ZHVANIYA, G.A.; RUSADZE, U.S.; KHETSURIANI, D.S.

Early detection and functional treatment of dysplasia of the
hip joint in year-old children. Scob. AN Gruz. SSR 40 no.2:
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1. 1-ya Detskaya bol'nitsa, Tbilisi. Submitted March 15, 1965.

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Late aftereffects of cerebro-cranial trauma in childhood. Soob. AN
Gruz. SSR 35 no.2:437-444 Ag '64. (MIRA 17:12)

1. Pervaya detskaya klinicheskaya ob'yedinennaya bol'nitsa. Submitted
December 28, 1963.

GUTIDZE, P.A., kand.tekh.nauk; RUSADZE, V.F., inzh.

Study of the foundation of a 100 Mw. turbogenerator. Elek. sta. 34
no.6:35-38 Je '63. (MIRA 16:9)
(Turbogenerators--Vibration)

GUSEV, O. [Husiev, O.]: RUSAK, A.

L'viv regional economic council reports. Nauka i zhyttia no.11:40-42 N '61. (MIRA 14:12)

1. Obshchestvennyye korrespondenty zhurnala "Nauka i zhittya". (Ukraine--Technological innovations)

BIBIKOV, Yuriy Stepanovich, inzh.; LEMTYUGOV, Vladimir Ivanovich,
inzh.; RUSAK, Aleksandr Matveyevich, inzh. [deceased];
SAVIN, Igor' Dmitriyevich, inzh.; TAGUNOV, Nikolay
Mikhaylovich, inzh.; FILATOV, Vyacheslav Ivanovich, inzh.;
KUZ'MIN, V.D., kand. tekhn. nauk, red.

[The TGM diesel locomotive] Teplovoz TGM. Moskva, Trans-
port, 1965. 207 p. (MIRA 18:12)

1. Muromskiy zavod imeni F.E.Dzerzhinskogo (for all except
Kuz'min).

RUSAK, A.M. . . .

New and modernized diesel locomotives made in the Muromsk Plant.
Elek.i tepl.tiaga 4 no.2:19-21 F '60. (MIRA 13:6)

1. Glavnyy konstruktor Muromskogo zavoda.
(Muromsk--Diesel locomotives)

RUSK, A.V.

The TMD switching diesel locomotive. Biol. tech. - ekon. inform.

no. 62-63 '69.

(ITE 12:2)

(Diesel locomotives)

RUSAK, B.I.

Systematization of resonance particles. Izv. AN Uz.SSR.
Ser.fiz.-mat.nauk 9 no.3:69-71 '65.

Properties of the Ξ^- -hyperon. Ibid.: 71.

(MIRA 19:1)

1. Tashkentskiy gosudarstvennyy pedagogicheskiy institut
imeni Nizami. Submitted September 2, 1964.

R. SAKH. . . 1.

"A Group of Transformations Leaving Invariant a Generalized System of Hamilton Equations in a Space with $n = 3k$ "
Dokl. AN Uzb. SSR, No 3, 1954, pp 3-6 (Uzbek resume)

The author examines a generalized canonical system in a space of dimensionality $3k$. He poses the problem of constructing a transformation

$$T_v = T_v(x_1, \dots, x_{3k}) \quad (v = 1, 2, \dots, 3k)$$

which will not change the structure of the canonical system. Proves two theorems on the properties of such transformations. (RZhMat, No 2, 1955)

SO: Sum. 492, 12 May 55

RUSAK, B.I.

Integration of the generalized Hamilton equations in a space with a
number of variables $n = (2l + 1)$. Trudy Inst. mat. i mekh. AN Uz.
SSR no.18:101-107 '56. (MLRA 10:4)

(Differential equations)

(Calculus, Integral)

RUSAK, B.I.

The generalized canonical system in exact differentials. Trudy Inst.
mat. i mekh. AN Uz. SSR no.18:93-100 '56. (MLRA 10:4)
(Differential equations)

RUSAK, B.I.

Computing the mass of elementary particles. *Izv. AN Uz. SSR.*
Ser. fiz.-mat. nauk no. 1:83-84 '60. (MIRA 13:6)

1. TashkentSKIY gospedinstitut imeni Nizami.
(Particles(Nuclear physics))

24.6520
21(1)
AUTHOR: Rusak, B. I.
TITLE: The Calculation of Masses of the Elementary Particles¹⁹
PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1960, Nr 1, pp 83-84 (USSR)
ABSTRACT: By a table the author proves that the masses of different elementary particles can be calculated with a high exactness according to the formula
(1) $m = m_1 \frac{n}{2} \left(\frac{1}{\alpha} + \delta \right)$,
where m_1 is the mass of the electron, n are integers, α is the constant of microstructure ($\frac{1}{\alpha} = 137,038$ for calculations), and δ is a correcture term ($\delta = 0, \pm \frac{1}{2}, \pm 1, -5$ etc).
ASSOCIATION: Tashkentskiy gospedinstitut imeni Nizami (Tashkent State Pedagogical Institute imeni Nizami)
SUBMITTED: November 22, 1959
Card 1/1

24(2), 24(3)

AUTHOR: Rusak, B. I.

06557

SOV/166-59-4-8/10

TITLE: On the Question on Electron Conductivity of the Matter in Condensed Phases

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1959, Nr 4, pp 55-63 (USSR)

ABSTRACT: The author considers the electron conductivity which is caused by electrons which move between the lattice points of the crystalline grating and the atoms of the conducting fluid. Such electrons are called "dislocated electrons". The author investigates four variants of the appearance of dislocated electrons; especially it is stated that a heat motion may lead to a situation of grating ions which enlarges essentially the dislocation of electrons. A kinetic equation for the dislocated electrons is given.

There are 3 figures, and 12 references, 11 of which are Soviet, and 1 English.

ASSOCIATION: TashkentSKIY gosudarstvennyy pedagogicheskiy institut imeni Nizami (Tashkent State Pedagogical Institut imeni Nizami)

SUBMITTED: May 28, 1958

Card 1/1

RUSAK, B.I.

Two-parameter table of elementary particles. Izv. AN Uz.SSR. Ser.
fiz.-mat. nauk 3:85-86 '61. (MIRA 14:8)

1. Tashkentskiy gospedinstitut.
(Particles (Nuclear physics)) (Quantum theory)

RUSAK, B.I.

Natural system of units in elementary particle physics. Izv. AN Uz.
SSR.Ser.fiz.-mat.nauk 8 no.5:76-78 '64.

(MIRA 18:2)

1. Tashkentskiy gosudarstvennyy pedagogicheskiy institut imeni
Nizami.

RUSAK, B. I.

Differential Equations, Partial Differential Equations (1651)

Dokl. AN Uzb. SSR, No 6, 1953, pp 7-11

Rusak, B. I.

"Construction of a New Integral of Lagrange's Equations of the Second Type with Two Givens"

Gives a new proof of the well-known theorem of Poisson for Lagrange equations of the second type.

SO: Referativnyy Zhurnal--Matematika, No 1, Jan 54; SO: (W-30785, 28 July 1954)

RUSAK, B.I.

Rusak, B. I. On the construction of a new integral of the Lagrange equations of second order with two data. Dokl. Akad. Nauk Uzbek. SSR. 1956, no. 6, 7-11. (Russian. Uzbek summary)

Sind $\varphi(q_k, p_k) = \text{const}$ und $\psi(q_k, p_k) = \text{const}$ zwei Integrale eines Hamiltonschen Gleichungssystems, so ist mit der Poissonschen Klammerbildung (φ, ψ) durch $(\varphi, \psi) = \text{const}$ ein drittes Integral des Systems gegeben. Verfasser beweist den Satz: sind $\Phi(q_k, p_k) = \text{const}$ und $\Psi(q_k, p_k) = \text{const}$ zwei Integrale des Lagrangeschen Gleichungssystems

$$\frac{d}{dt} \left(\frac{\partial L}{\partial q_k} \right) - \frac{\partial L}{\partial q_k} = 0, k=1, 2, \dots, n,$$

so ist auch

$$\begin{aligned} & \frac{1}{D} \sum_k \sum_m (-1)^{k+m} D_{km} \left(\frac{\partial \varphi}{\partial q_k} \frac{\partial \Psi}{\partial q_m} - \frac{\partial \Psi}{\partial q_k} \frac{\partial \varphi}{\partial q_m} \right) \\ & + \frac{1}{D^2} \sum_k \sum_m \sum_n \sum_p (-1)^{k+m+n+p} D_{km} D_{np} \\ & \times \frac{\partial^2 L}{\partial q_k \partial q_n} \left(\frac{\partial \varphi}{\partial q_m} \frac{\partial \Psi}{\partial q_p} - \frac{\partial \Psi}{\partial q_m} \frac{\partial \varphi}{\partial q_p} \right) = \text{const} \end{aligned}$$

ein Integral dieses Systems. Dabei bedeutet D die De-

Math

1/2

Rusak, B. I.
 terminante der Elemente $a_{km} = \partial^2 L / \partial q_k \partial q_m$ und D_{km} die
 zugehörigen Minoren. Als Spezialfall werden die Ab-
 leitungen $\partial^2 L / \partial q_k \partial q_m = L_{km}$ symmetrisch angenommen
 ($L_{km} = L_{mk}$). Mit $L = \sum_m a_m \dot{q}_m^2 + f(q_k)$ und $a_m = \text{const}$
 kommt man wieder auf Poissonsche Klammerbildungen
 zurück. M. Pin! (Köln). 2/2

inf. $\sum m$.

RUSAK, B. I.

~~Rusak, B. I.~~ Invariant form of generalized equations of ²
~~Hamilton.~~ Akad. Nauk Uzbek. SSR. Trudy Inst. ^{1-F/W}
Mat. Meh. 16 (1955), 106-112. (Russian)

The author considers a generalization of the canonical equations of dynamics, as introduced by Raševskii [Geometrical theory of partial differential equations, OGIZ, Moscow-Leningrad, 1947; MR 11, 519]. He shows how these can be represented in explicit form in particular coordinate systems. W. Kaplan (Ann Arbor, Mich.)

ell

RUSAK, B. I.

"On the Application of the Poisson Method in Finding Integrals of Generalized Hamilton Equations".
Dokl AN UzSSR, No 10, pp 3-6, 1954, (Uzbek resume)

Examines generalized canonical systems which allow the construction of an integral with the aid of Poisson brackets when two other integrals are known. Extends the discussion to multidimensional space. Establishes sufficient conditions for the above-mentioned construction. (RZhMat, No 10, 1955)

SO: Sum No 812, 6 Feb 1956

CHIRIMANOV, P.A.; ZOLOTOVA, C.P.; GRACHEVA, T.A.; RUSAK, L.A.

Removing pyrolytic light oil from unsaturated hydrocarbons.
Nefteper. i neftekhim. no.9:10-13 '63. (MIRA 17:8)

1. Gor'kovskiy zavod "Neftegaz".

RUSAK, L.I., inzh.

Investigating the heat exchange process during the firing of bricks.
Sbor. nauch. rab. Bel. politekh. inst. no.69:83-91 '58.

(MIRA 12:7)

(Brickmaking) (Heat transmission)

RUSAK, L.I.

Study of the heat exchange process during the firing of
structural brick in tunnel kilns. Sbor.nauch.trud.Bel.
politekh.inst. no.89:73-87 '60. (MIRA 14:8)
(Brickmaking)